

# Safety Data Sheet:

Supersedes Date: 12/16/2021

Issuing Date: 01/20/2022

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Liquid Rhyno DRAIN OPENER  
**Recommended use** Drain opener  
**Information on Manufacturer**  
DANCO, Division of NCH Corporation  
2727 Chemsearch Blvd. Irving, TX 75062

**Product Code:** 9DLR010963  
**Chemical nature** Sodium Hypochlorite Solution  
**Emergency Telephone**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
1-800-523-5135

## 2. HAZARD IDENTIFICATION

**Color** Colorless - Light yellow

**Physical state** Liquid

**Odor** Slight chlorine

### GHS Classification

#### Physical Hazards

Corrosive to Metals

Category 1

#### Health Hazard

Skin Corrosion/Irritation

Category 1

Serious Eye Damage/Eye Irritation

Category 1

#### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard statements

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

#### Precautionary Statements

P103 - Read label before use

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe fumes

P270 - Do not eat, drink or smoke when using this product

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a physician.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P342 + P311 - If experiencing respiratory symptoms, call a physician.

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P390 - Absorb spillage to prevent damage.

P406 - Store in a corrosion-resistant container.

P501 - Dispose of contents and container in accordance with applicable regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	10-15
Sodium hydroxide	1310-73-2	1-5

\*The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

<b>General advice</b>	Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse.
<b>Inhalation</b>	Remove person to fresh air. If signs/symptoms continue, get medical attention.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
<b>Notes to physician</b>	Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	No information available.	<b>Method</b>	No information available
<b>Upper:</b>	No data available	<b>Lower:</b>	No data available
<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Unsuitable Extinguishing Media</b>	None known.		
<b>Specific hazards arising from the chemical</b>	Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health</b> 3	<b>Flammability</b> 0	<b>Instability</b> 1
<b>HMIS -</b>	<b>Health</b> 3	<b>Flammability</b> 0	<b>Physical Hazard</b> 1

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	None known.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Do not get in eyes, on skin or on clothing. Do not breathe mist, vapors, or spray.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined.			
<b>Storage Temperature</b>	<b>Minimum</b>	No information available	<b>Maximum</b>	No information available
<b>Storage Conditions</b>	<b>Indoor</b>	<b>Outdoor</b>	<b>Heated</b>	<b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal Protective Equipment

#### Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

#### Skin Protection

Wear suitable protective clothing, Impervious gloves.

#### Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### General Hygiene Considerations

Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid	<b>Viscosity</b>	No information available
<b>Color</b>	Colorless - Light yellow	<b>Odor</b>	Slight chlorine
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	No information available.
<b>pH</b>	12	<b>Specific Gravity</b>	1.1
<b>Evaporation Rate</b>	No information available	<b>Percent Volatile (Volume)</b>	95
<b>VOC Content (%)</b>	No data available	<b>VOC Content (g/L)</b>	No data available
<b>Vapor pressure</b>	17.5 mmHg @ 68°F	<b>Vapor Density</b>	No information available
<b>Solubility</b>	Completely soluble	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	21 °F / -6 °C	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	104 °F / 40 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	No information available.	<b>Method</b>	No information available
<b>Autoignition Temperature</b>	No information available.		
<b>Upper:</b> No data available	<b>Lower:</b> No data available		

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition, Extremes of temperature and direct sunlight.
<b>Incompatible Products</b>	Ammonia, Amines, Ammonium salts, Acids, Strong oxidizing agents, Metals.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Carbon oxides, Chlorine gas, Sodium oxides.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

<b>LD50 Oral</b> 8200 mg/kg Rat	<b>LD50 Dermal</b> 10,000 mg/kg Rabbit
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The following values are calculated based on chapter 3.1 of the GHS document

**Oral LD50** No information available

**Dermal LD50** No information available

### Inhalation LC50

**Gas** No information available

**Mist** No information available

**Vapor** No information available

**Principle Route of Exposure** Skin contact, Eye contact.

**Primary Routes of Entry** Skin contact, Eye contact, Inhalation.

### Acute Effects:

**Eyes** Corrosive to the eyes and may cause severe damage including blindness.

**Skin** Causes severe skin burns.

**Inhalation** Severe respiratory irritant.

**Ingestion** If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the

esophagus and the stomach.

**Chronic Toxicity**

Inhaled corrosive substances can lead to a toxic edema of the lungs.

**Target Organ Effects:**

Skin, Eyes, Respiratory system.

**Aggravated Medical Conditions**

Skin disorders, Respiratory disorders.

Component Information

**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium hypochlorite 7681-52-9	= 8.91 g/kg (rat)	> 20000 mg/kg (rabbit)	> 10.5 mg/L (rat) 1 h	No data available	No data available
Sodium hydroxide 1310-73-2	325 mg/kg (rat)	= 1350 mg/kg (rabbit)	No data available	No data available	No data available

**Chronic Toxicity**

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide 1310-73-2	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Sodium hypochlorite 7681-52-9	Not applicable	Group 3	Not applicable	Not applicable	Not applicable

**12. ECOLOGICAL INFORMATION**

Product Information

No information available.

Additional Ecological Information:

No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium hypochlorite	CE50 (Skeletonema costatum, 24h) = 0.095 mg/L	CL50 (Lepomis macrochirus, 96h): 0.39 mg/L	No information available	CE50 (Daphnia magna, 48h): 0.033 - 0.055 mg/L	N/A
Sodium hydroxide	No information available.	CL50 (Oncorhynchus mykiss, 96h) = 45.4 mg/L	No information available	No information available.	N/A

**Persistence and Degradability**  
**Bioaccumulation**  
**Mobility**

No information available.  
Not likely to bioaccumulate.  
No information available.

**13. DISPOSAL CONSIDERATIONS**

**Product Disposal**  
**Container Disposal**

Dispose of in accordance with local regulations.  
Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT**

**Proper Shipping Name** HYPOCHLORITE SOLUTION  
**Hazard Class** 8  
**UN-No** UN1791  
**Packing Group** III  
**Reportable Quantity (RQ)** SODIUM HYPOCHLORITE, RQ kg = 864.7619  
**Description** UN1791, HYPOCHLORITE SOLUTION, 8, PG III

**TDG**

**Proper shipping name** HYPOCHLORITE SOLUTION

**Hazard Class** 8  
**UN-No** UN1791  
**Packing Group** III  
**Description** UN1791,HYPOCHLORITE SOLUTION,8,PG III

**ICAO**

**UN-No** UN1791  
**Proper Shipping Name** HYPOCHLORITE SOLUTION  
**Hazard Class** 8  
**Packing Group** III  
**Shipping Description** UN1791,HYPOCHLORITE SOLUTION,8,PG III

**IATA**

**UN-No** UN1791  
**Proper Shipping Name** HYPOCHLORITE SOLUTION  
**Hazard Class** 8  
**Packing Group** III  
**ERG-Code** 8L  
**Shipping Description** UN1791,HYPOCHLORITE SOLUTION,8,PG III

**IMDG/IMO**

**UN proper shipping name** HYPOCHLORITE SOLUTION  
**Hazard Class** 8  
**UN Number** UN1791  
**Packing Group** III  
**EmS No.** F-A, S-B  
**Description** UN1791,HYPOCHLORITE SOLUTION,8,PG III

**15. REGULATORY INFORMATION**

**Inventories**

**TSCA** Listed  
**DSL / NDSL** Listed

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

See Section 2

**CERCLA**

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hypochlorite	100 lb	Not applicable
Sodium hydroxide	1000 lb	Not applicable

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**16. OTHER INFORMATION**

**Prepared By** Kim Franklin  
**Supersedes Date:** 12/16/2021  
**Issuing Date:** 01/20/2022  
**Reason for Revision** No information available.  
**Glossary** No information available.  
**List of References.** No information available.

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